CONTENTS OF VOLUME 43

Vol. 43 No. 1 September 1999

Special Issue

CLIMATIC VARIABILITY IN SIXTEENTH-CENTURY EUROPE AND ITS SOCIAL DIMENSION

Guest Editors

CHRISTIAN PFISTER, RUDOLF BRÁZDIL and RÜDIGER GLASER

RAYMOND S. BRADLEY / Preface 1–2

CHRISTIAN PFISTER, RUDOLF BRÁZDIL and RÜDIGER GLASER / Guest Editorial 3–4

CHRISTIAN PFISTER and RUDOLF BRÁZDIL / Climatic Variability in Sixteenth-Century Europe and its Social Dimension: A Synthesis 5–53

THE EVIDENCE

CHRISTIAN PFISTER, RUDOLF BRÁZDIL, RÜDIGER GLASER, MARIANO BARRIENDOS, DARIO CAMUFFO, MATHIAS DEUTSCH, PETR DOBROVOLNÝ, SILVIA ENZI, EMANUELA GUIDOBONI, OLDŘICH KOTYZA, STEFAN MILITZER, LAJOS RÁCZ and FERNANDO S. RODRIGO / Documentary Evidence on Climate in Sixteenth-Century Europe 55–110

CHRISTIAN PFISTER, RUDOLF BRÁZDIL, RÜDIGER GLASER, ANITA BOKWA, FRANZ HOLAWE, DANUTA LIMANOWKA, OLDŘICH KOTYZA, JAN MUNZAR, LAJOS RÁCZ, ELISABETH STRÖMMER and GABRIELA SCHWARZ-ZANETTI / Daily Weather Observations in Sixteenth-Century Europe 111–150

K.R. BRIFFA, P.D. JONES, R.B. VOGEL, F.H. SCHWEINGRUBER, M.G.L. BAILLIE, S.G. SHIYATOV and E.A. VAGANOV / European Tree Rings and Climate in the 16th Century 151–168

RECONSTRUCTIONS OF CLIMATE

RÜDIGER GLASER, RUDOLF BRÁZDIL, CHRISTIAN PFISTER, PETR DOBROVOLNÝ, MARIANO BARRIENDOS VALLVÉ, ANITA BOKWA, DARIO CAMUFFO, OLDRICH KOTYZA, DANUTA LIMANÓWKA, LAJOS RÁCZ and FERNANDO S. RODRIGO / Seasonal Temperature and Precipitation Fluctuations in Selected Parts of Europe during the Sixteenth Century 169–200

JUCUNDUS JACOBEIT, HEINZ WANNER, GERHARD KOSLOWSKI and MARTIN GUDD / European Surface Pressure Patterns for Months with Outstanding Climatic Anomalies during the Sixteenth Century 201–221

IMPACTS AND PERCEPTION

H. HOLZHAUSER and H.J. ZUMBÜHL / Glacier Fluctuations in the Western Swiss and French Alps in the 16th Century 223–237

RUDOLF BRÁZDIL, RÜDIGER GLASER, CHRISTIAN PFISTER, PETR DOBROVOLNÝ, JEAN-MARC ANTOINE, MARIANO BARRIENDOS, DARIO CAMUFFO, MATHIAS DEUTSCH, SILVIA ENZI, EMANUELA GUIDOBONI, OLDŘICH KOTYZA and FERNANDO SANCHEZ RODRIGO / Flood Events of Selected European Rivers in the Sixteenth Century 239–285

A.M.J. DE KRAKER / A Method to Assess the Impact of High Tides, Storms and Storm Surges as Vital Elements in Climatic History. The Case of Stormy Weather and Dikes in the Northern Part of Flanders, 1488 to 1609 287–302

WALTER BAUERNFEIND and ULRICH WOITEK / The Influence of Climatic Change on Price Fluctuations in Germany during the 16th Century Price Revolution 303–321

ERICH LANDSTEINER / The Crisis of Wine Production in Late Sixteenth-Century Central Europe: Climatic Causes and Economic Consequences 323–334

WOLFGANG BEHRINGER / Climatic Change and Witch-Hunting: The Impact of the Little Ice Age on Mentalities 335–351

Vol. 43 No. 2 October 1999

STEFAN RAHMSTORF and ANDREY GANOPOLSKI / Long-Term Global Warming Scenarios Computed with an Efficient Coupled Climate Model 353–367

THOMAS L. DELWORTH, J.D. MAHLMAN and THOMAS R. KNUTSON / Changes in Heat Index Associated with CO_2-Induced Global Warming 369–386

CÉDRIC BERTRAND and JEAN-PASCAL VAN YPERSELE / Potential Role of Solar Variability as an Agent for Climate Change 387–411

SIMON SHACKLEY, JAMES RISBEY, PETER STONE and BRIAN WYNNE / Adjusting to Policy Expectations in Climate Change Modeling 413–454

H.J. McMASTER / The Potential Impact of Global Warming on Hail Losses to Winter Cereal Crops in New South Wales 455–476

CONGBIN FU and GANG WEN / Variation of Ecosystems over East Asia in Association with Seasonal, Interannual and Decadal Monsoon Climate Variability 477–494

Vol. 43 No. 3 November 1999

R.T. WETHERALD and SYUKURO MANABE / Detectability of Summer Dryness Caused by Greenhouse Warming 495–511

C. DORLAND, R.S.J. TOL and J.P. PALUTIKOF / Vulnerability of the Netherlands and Northwest Europe to Storm Damage under Climate Change 513–535

DENNIS P. LETTENMAIER, ANDREW W. WOOD, RICHARD N. PALMER, ERIC F. WOOD and EUGENE Z. STAKHIV / Water Resources Implications of Global Warming: A U.S. Regional Perspective 537–579

SHARON A. JONES, BARUCH FISCHHOFF and DENISE LACH / Evaluating the Science-Policy Interface for Climate Change Research 581–599

THOMAS J. WILBANKS and ROBERT W. KATES / Global Change in Local Places: How Scale Matters 601–628

Ch. JACOBI and B.-R. BECKMANN / On the Connection between Upper Atmospheric Dynamics and Tropospheric Parameters: Correlations between Mesopause Region Winds and the North Atlantic Oscillation 629–643

Vol. 43 No. 4 December 1999

Special Issue

CLIMATE CHANGE: IMPACTS ON AGRICULTURE

Guest Editor

J.M. REILLY

J.M. REILLY / Guest Editorial: Climate Change and Agriculture: The State of the Scientific Knowledge 645–650

R. RÖTTER and S.C. VAN DE GEIJN / Climate Change Effects on Plant Growth, Crop Yield and Livestock 651–681

M.D.A. ROUNSEVELL, S.P. EVANS and P. BULLOCK / Climate Change and Agricultural Soils: Impacts and Adaptation 683–709

D.T. PATTERSON, J.K. WESTBROOK, R.J.V. JOYCE, P.D. LINGREN and J. ROGASIK / Weeds, Insects, and Diseases 711–727

QUNYING LUO and ERDA LIN / Agricultural Vulnerability and Adaptation in Developing Countries: The Asia-Pacific Region 729–743

J.M. REILLY and D. SCHIMMELPFENNIG / Agricultural Impact Assessment, Vulnerability, and the Scope for Adaptation 745–788

Volume Contents 789–792

Author Index 793